

Table 3.5.2.
Extrapolation from the Survey of Childbearing Women (CBW):

Estimate of HIV Prevalence Among Whites, Tennessee

1. Estimate HIV seroprevalence among white women of childbearing age, (using data from the 1993-1994 and 1994-1995 survey cycles)

HIV seropositivity among white childbearing women, TN		White women aged 15-44 years, 1995 est.* population, TN		Estimate of HIV prevalence among white women aged 15-44 years
	x		=	
0.0002	x	890,753	=	178

2. Adjust for white women older or younger than the childbearing age-range, Tennessee

Estimate of HIV prevalence among white women aged 15-44 years		Proportion of all white women with AIDS aged 15-44 (diagnosed in 1995)		Estimate of HIV prevalence among white women of all ages
	÷		=	
178	÷	0.7855 ²	=	227

3. Adjust for decreased fertility in white women diagnosed with AIDS-opportunistic infections (AIDS-OIs)

(No. of white women diagnosed with AIDS OIs through 1995)		No. of white women with AIDS who had died through 1995)		Adjustment for completeness of reporting		Estimate of number of white women with AIDS-OIs
	-		÷		=	
147	-	97	÷	0.9 ³	=	56

4. Add estimated number of living HIV-infected white women who have already been diagnosed with AIDS-OIs (from step 3) to seroprevalence estimate obtained in step 2

Estimate of HIV prevalence among all white women (from step 2)		Estimate of number of white women with AIDS- OIs (from step 3)		Total estimated prevalence of HIV among white women
	+		=	
227	+	56	=	283